■ADJUSTING/TEST PROGRAM

1. Entering the test program

To enter the test program, press MODE while pressing bank switches A and B.
Pressing TS2 will move to the next test, and pressing TS1 will take you back to the previous test.
Note ; When an error occurs and has been displayed, you will not be able to advance to the next step by pressing TS2. Advance to the next step by pressing Bank Switches A, B and MODE. You will still be able to return to the previous test by pressing TS1.

2. Test categories

(1)Step 1 ···LED test

The 7 segment LEDs will light up one segment at a time, in the order of a,b,c,d,e,f,g,o,p. Also LEDs 5 through 13 will light one by one.

LED 5	TSI
LED 6	TS2
LED 7	SINGLE
LED 8	DUAL
LED 9	SPLIT
LED 10	CONSROLLER
LED 11	PARAMETER
LED 12	A
LED 13	B

(2)Step 2 ···Switch test

The 7 segment LED of Bank A will show 5 2 (S2), and the Bank B LED will show the number of the switch to be tested. When the indicated switches have been pressed, the Bank B LED will show G d (GOOD), but if an incorrect switch has been pressed, the Bank A LED will show E 2 (Error at Step 2), and the "E" will blink.
Pressing the correct switch will continue the test.

Switch name	Switch number	Switch name	Switch number
BANK-A	1	B-3	21
A-1	2	B-4	22
A-2	3	B-5	23
A-3	4	B-6	24
A-4	5	B-7	25
A-5	6	B-8	26
A-6	7	B-9	27
A-7	8	B-10	28
A-8	9	B-11	29
A-9	10	B-12	30
A-10	11	B-13	31
A-11	12	B-14	32
A-12	13	B-15	33
A-13	14	B-16	34
A-14	15	TSI	35
A-15	16	TS2	36
A-16	17	MSI	37
BANK-A	18	MS2	38
B-1	19	MS3	39
B-2	20	MS4	40

(3)Step 3 ···KBD test

The Bank A LED will show 5 3 (S3), and the Bank B LED will show the key to be tested (A-1 to C7). Press the indicated key quickly (with heavy initial touch), going up the scale. If all keys have been correctly pressed, the Bank B LED will show G d (GOOD), but if there has been an error, the Bank A LED will show E 3 (Error at Step 3). If this happens, pressing the correct key will continue the test.
The error display differentiates between touch errors and key errors. If there has been a touch error (ie. you didn't press the key hard enough), the decimal point to the lower right of the "3" of "E3" will blink, but if the wrong key has been pressed, the decimal point will not be displayed.

Key name LED display

The left side of the LED display will show C through B ; on the right side, octaves −1 through 7. Sharps (#) are indicated by a decimal point on the left.
(Note name) A -1 A.2 E 3 C 7

(4)Step 4 ···A/D test

The Bank A LED will show 5 4 (S4). Now, when you operate a controller (Foot switch 1, 2; Wheel 1, 2; Breath controller ; After touch ; CS1−4 ; Foot controller 1, 2), the symbol for that controller will appear in the upper display and the A/D data (1−99) will appear in the lower display. Make sure that when Wheel 1 is in center position, the A/D data is 50.

If you proceed to the next step by pressing TS2 before you have operated any controllers, the Bank A LED will show E 4 (Error at Step 4).

Controller name	LED display		
Footswitch 1	5 1	CS1	C 1
Footswitch 2	5 2	CS2	C 2
Wheel 1	U 1	CS3	C 3
Wheel 2	U 2	CS4	C 4
Breath controller	b C	Foot controller 1	F 1
After touch	A C	Foot controller 2	F 2

(5)Step 5 ···RAM test

The Bank A LED will show 5 5 (S5). It will perform WRITE/READ tests on RAM $5A, $00 and $FF. If everything is ok, the Bank B LED will show G d (GOOD). If there has been an error, the middle two digits of the error address $0800 − $OFFF will be displayed in the Bank B LED, and the Bank A LED will show E 5 (Error 5).

(6)Step 6 ···ROM test

The Bank A LED will show 5 6 (S6), and it will perform a sum check. If correct, the Bank B LED will show G d (GOOD), and if there is an error, the Bank A LED will show E 6 (Error 6).

(7)Step 7 ···MIDI test

Note; Before you enter this test, connect the MIDI IN and OUT terminals of the KX88 with a MIDI cable.
The Bank A LED will show 5 7 (S7) and if everything is ok, the Bank B LED will show G d (GOOD). If there is an error, the Bank A LED will show E 7 (Error 7).

(8)Step 8 ···Battery test

The Bank A LED will show 5 8 (S8), and if the battery voltage is low, the display will change to E 8 (Error 8). If the battery voltage is ok, the Bank B LED will show G d (GOOD).
Note; If in step 8 you now press TS2 (advance), or if you you press Bank switches A, B and MODE (unconditional advance), you will leave the test program and enter the main program, but memory will be initialized. If you want to preserve the contents of memory, exit the test program by turning the power switch off after step 8.